BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Construction and Developments of Toilets in Ward No. 06 (Thanisandra).

Name of Agency: M. Prakash, # 136, Kashinagara Main Road, Amruthahalli, Bangalore - 92.

Estimated Cost: 40,00,000.00

Tender Amount : Rs. 36,03,602.73 Lakhs

Work Order No. BBMP/EE/BTP/WO/170/2018-19 Dated: 03-12-2018.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road	Cum	157.18	204.12	32083.58	157.18	190.00	29864.20	212.04	212.04	190.00	40287.60	0.00	0.00	0.00	40288.00		10423.80	
2	KSRB 2.14-1: **Extra for additional lift of 1.5m**. or part thereof for excavation In loose / soft or hard soil including cost of materials, labour complete as per	Cum	31.36	218.16	6841.50	31.36	210.00	6585.60	16.20	16.20	210.00	3402.00	0.00	0.00	0.00	3402.00	3183.60		
3	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal	Cum	21.18	5449.68	115424.22	21.18	5440.00	115219.20	39.62	26.48	5440.00	144051.20	13.14	5528.18	72640.29	216691.00		101471.80	
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than	Cum	53.56	3508.92	187937.76	53.56	3400.00	182104.00	53.39	53.39	3400.00	181526.00	0.00	0.00	0.00	181526.00	578.00		
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not	Cum	7.12	5405.40	38486.45	7.12	5400.00	38448.00	8.82	8.82	5400.00	47628.00	0.00	0.00	0.00	47628.00		9180.00	
6	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm	Sqm	185.76	104.76	19460.22	185.76	90.00	16718.40	38.16	38.16	90.00	3434.40	0.00	0.00	0.00	3434.00	13284.40		
7	KSRB 4-6.1 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns	Sqm	43.20	249.48	10777.54	43.20	240.00	10368.00	54.00	54.00	240.00	12960.00	0.00	0.00	0.00	12960.00		2592.00	
8	KSRB 4-6.5 : Providing and removing **centering, shuttering, strutting, propping** etc., for **columns, pillars, post and struts**, square / rectangular/ polygon	Sqm	110.00	395.28	43480.80	110.00	380.00	41800.00	64.35	64.35	380.00	24453.00	0.00	0.00	0.00	24453.00	17347.00		
9	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any**	Sqm	118.44	316.44	37479.15	118.44	300.00	35532.00	81.16	81.16	300.00	24348.00	0.00	0.00	0.00	24348.00	11184.00		
10	KSRB 4-6.2 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for suspended floors, landings, balconies	Sqm	105.60	338.04	35697.02	105.60	330.00	34848.00	51.20	51.20	330.00	16896.00	0.00	0.00	0.00	16896.00	17952.00		
11	KSRB 4-6.7 :Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam**	Sqm	98.32	276.48	27183.51	98.32	270.00	26546.40	54.73	54.73	270.00	14777.10	0.00	0.00	0.00	14777.00	11769.40		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
12	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded	Cum	31.40	6491.88	203845.03	31.40	6480.00	203472.00	27.69	27.69	6480.00	179431.20	0 00	0.00	0.00	179431.00	24041.00		
13	KSRB 4.2.8: Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded	Cum	24.83	6650.64	165135.39	24.83	6650.00	165119.50	14.27	14.27	6650.00	94895.50	0.00	0.00	0.00	94896.00	70223.50		
14	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding	Tonne	5.29	65455.56	346259.91	5.29	65450.00	346230.50	5.87	5.87	65450.00	384191.50	0.00	0.00	0.00	384192.00		37961.50	
15	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting	Cum	94.08	137.16	12904.01	94.08	130.00	12230.40	48.60	48.60	130.00	6318.00	0.00	0.00	0.00	6318.00	5912.40		
16	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and	Sqm	256.00	1011.96	259061.76	256.00	1000.00	256000.00	189.20	189.20	1000.00	189200.00	0.00	0.00	0.00	189200.00	66800.00		
17	KSRB 5-14.2 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and	Sqm	164.53	979.56	161167.01	164.53	980.00	161239.40	145.66	145.66	980.00	142746.80	0.00	0.00	0.00	142747.00	18492.40		
18	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners	Sqm	358.34	224.64	80497.50	358.34	220.00	78834.80	150.60	150.60	220.00	33132.00	0.00	0.00	0.00	33132.00	45702.80		
19	KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required	Sqm	501.75	178.20	89411.85	501.75	170.00	85297.50	213.29	213.29	170.00	36259.30	0.00	0.00	0.00	36259.00	49038.50		
20	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth	Sqm	154.57	208.44	32218.57	154.57	200.00	30914.00	46.71	46.71	200.00	9342.00	0.00	0.00	0.00	9342.00	21572.00		
21	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour,	Sqm	501.75	4.32	2167.56	501.75	5.00	2508.75	213.29	213.29	5.00	1066.45	0.00	0.00	0.00	1066.00	1442.75		
22	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including	Sqm	154.57	4.32	667.74	154.57	5.00	772.85	46.71	46.71	5.00	233.55	0.00	0.00	0.00	234.00	538.85		
23	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly	Sqm	454.34	90.72	41217.72	454.34	100.00	45434.00	150.60	150.60	100.00	15060.00	0.00	0.00	0.00	15060.00	30374.00		
24	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after	Sqm	501.75	97.20	48770.10	501.75	95.00	47666.25	213.29	213.29	95.00	20262.55	0.00	0.00	0.00	20263.00	27403.25		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
25	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after	Sqm	154.57	101.52	15691.95	154.57	100.00	15457.00	46.71	46.71	100.00	4671.00	0.00	0.00	0.00	4671.00	10786.00		
26	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse	Cum	14.14	5876.28	83090.60	14.14	5870.00	83001.80	36.18	17.68	5870.00	103781.60	18.50	5770.85	106760.73	210542.00		127540.20	
27	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3	Sqm	117.36	1272.24	149310.09	117.36	1270.00	149047.20	68.54	68.54	1270.00	87045.80	0.00	0.00	0.00	87046.00	62001.20		
28	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including	Cum	0.26	87255.36	22686.39	0.26	88000.00	22880.00	0.45	0.45	88000.00	39600.00	0.00	0.00	0.00	39600.00		16720.00	
29	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and **rails of 40mm**. thick with bottom and lock rails	Sqm	7.56	4239.00	32046.84	7.56	4230.00	31978.80	0.00	0.00	4230.00	0.00	0.00	0.00	0.00	0.00	31978.80		
30	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish,	Sqm	25.20	3456.00	87091.20	25.20	3450.00	86940.00	9.45	9.45	3450.00	32602.50	0.00	0.00	0.00	32603.00	54337.00		
31	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and	Kgs	245.70	84.24	20697.77	245.70	84.00	20638.80	133.56	133.56	84.00	11219.04	0.00	0.00	0.00	11219.00	9419.80		
32	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window	Sqm	11.70	4123.44	48244.25	11.70	4125.00	48262.50	6.36	6.36	4125.00	26235.00	0.00	0.00	0.00	26235.00	22027.50		
33	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing	Sqm	7.56	33.48	253.11	7.56	33.00	249.48	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00	249.48		
34	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an	Sqm	7.56	90.72	685.84	7.56	90.00	680.40	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	680.40		
35	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable	Nos	12.00	9144.36	109732.32	12.00	9144.00	109728.00	2.00	2.00	9144.00	18288.00	0.00	0.00	0.00	18288.00	91440.00		
36	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain	m	120.00	226.80	27216.00	120.00	210.00	25200.00	120.00	120.00	210.00	25200.00	0.00	0.00	0.00	25200.00	0.00		
37	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain	m	115.00	270.00	31050.00	115.00	270.00	31050.00	115.00	115.00	270.00	31050.00	0.00	0.00	0.00	31050.00	0.00		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
38	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special	m	60.00	384.48	23068.80	60.00	380.00	22800.00	60.00	60.00	380.00	22800.00	0.00	0.00	0.00	22800.00	0.00		
39	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard	Unit	4.00	1274.40	5097.60	4.00	1270.00	5080.00	4.00	4.00	1270.00	5080.00	0.00	0.00	0.00	5080.00	0.00		
40	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. **(P.No. 88, I.No. 12.111 of PWD SR 2016-17)**	Each	28.00	172.80	4838.40	28.00	170.00	4760.00	28.00	28.00	170.00	4760.00	0.00	0.00	0.00	4760.00	0.00		
41	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive	Each	28.00	270.00	7560.00	28.00	270.00	7560.00	28.00	28.00	270.00	7560.00	0.00	0.00	0.00	7560.00	0.00		
42	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments	Each	24.00	262.44	6298.56	24.00	260.00	6240.00	24.00	24.00	260.00	6240.00	0.00	0.00	0.00	6240.00	0.00		
43	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials,	Each	24.00	648.00	15552.00	24.00	648.00	15552.00	24.00	24.00	648.00	15552.00	0.00	0.00	0.00	15552.00	0.00		
44	KSRB13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials,	Each	12.00	441.72	5300.64	12.00	440.00	5280.00	12.00	12.00	440.00	5280.00	0.00	0.00	0.00	5280.00	0.00		
45	Constructing brick masonry inspection chamber **450x450mm, and 450mm depth**, (clear inside dimension) for single pipeline, using table moulded non-modular	Nos.	8.00	5771.52	46172.16	8.00	5770.00	46160.00	8.00	8.00	5770.00	46160.00	0.00	0.00	0.00	46160.00	0.00		
46	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre	pan	12.00	4682.88	56194.56	12.00	4682.00	56184.00	0.00	0.00	4682.00	0.00	0.00	0.00	0.00	0.00	56184.00		
47	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges,	Each	12.00	5540.40	66484.80	12.00	5540.00	66480.00	8.00	8.00	5540.00	44320.00	0.00	0.00	0.00	44320.00	22160.00		
48	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic	Unit	8.00	7354.80	58838.40	8.00	7350.00	58800.00	4.00	4.00	7350.00	29400.00	0.00	0.00	0.00	29400.00	29400.00		
49	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32	Unit	8.00	4196.88	33575.04	8.00	4190.00	33520.00	4.00	4.00	4190.00	16760.00	0.00	0.00	0.00	16760.00	16760.00		
50	KSRB 24-14 : Removing the old paint from steel and / or other metal surface with flame cleaning and making surface even including cost of material, labour, complete	Sqm	43.56	66.96	2916.78	43.56	65.00	2831.40	43.56	43.56	65.00	2831.40	0.00	0.00	0.00	2831.00	0.40		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2016-17+/- T.P	Amount				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
51	KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:3 including cutting the patches in proper shape and	Sqm	167.16	276.48	46216.40	167.16	260.00	43461.60	167.16	167.16	260.00	43461.60	0.00	0.00	0.00	43462.00		0.40	
52	Removing of existing old or broken water closet Indian / European and disposing it with all cost and conveyance labour for all items of works HOM of equipments with all	Each	8.00	201.96	1615.68	8.00	201.00	1608.00	8.00	8.00	201.00	1608.00	0.00	0.00	0.00	1608.00	0.00		
53	Removing of existing olf sanitary and plumbing pipelines, stacking and disposing it with all cost and conveyance labour for all items of equipment with all and lead lift,	Rmtr	30.00	66.96	2008.80	30.00	67.00	2010.00	30.00	30.00	67.00	2010.00	0.00	0.00	0.00	2010.00	0.00		
54	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even	Sqm	34.20	88.56	3028.75	34.20	80.00	2736.00	34.20	34.20	80.00	2736.00	0.00	0.00	0.00	2736.00	0.00		
55	Providing and fixing of clay tiles for cladding tiles of size 230x75x10mm thick on 12 mm thick cement mortar 1.3 & jointed with adhesive / cement slurry over	Sqm	362.60	1782.00	646153.20	362.60	1720.00	623672.00	362.41	362.41	1720.00	623345.20	0.00	0.00	0.00	623345.00	327.00		
																3064901.00		**305889.70**	
	Sub Total				3656892.83														
	1% Third Party Inspection Charges				36568.93														
					300000.00														
	Miscelaneous and unforgen charges	LS			6538.00														
	Total				**4000000.00**			**3603602.73**								**3064901.00**	**844591.43**	**305889.70**	

8.49 %

Percentage Excess $\frac{\text{305889.70}}{\text{3603602.73}} \times 100$ = **8.49%**

Approved Tender Amount

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

"WORK SLIP APPROVED"